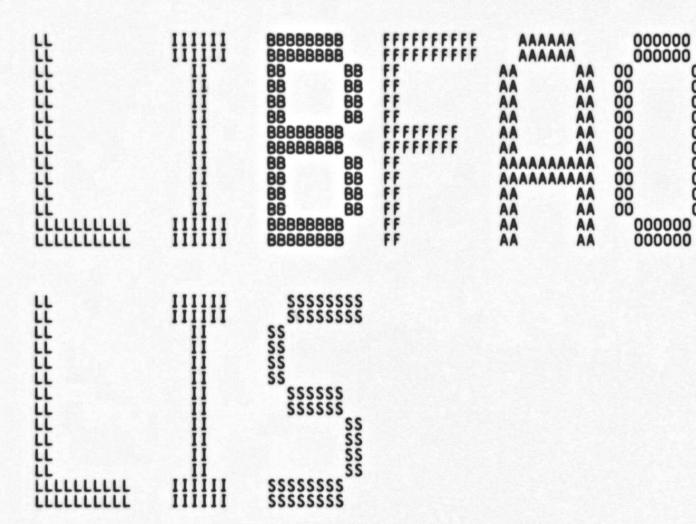
		BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		
LLL	HH				
LLL	III	BBB BBB BBB	RRR RRR	111	iii
illillillillill	1111111111	BBBBBBBBBBB	RRR RRR	TTT	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL		88888888888 88888888888	RRR RRR	III	

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VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFAO.B32;1

Page

MODULE LIBSSYS\_FAO (

IDENT = '1-009'

) =

! File: LIBFAO.B32 EDIT: RKR1009

BEGIN

.

! \* ! \*

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FACILITY: General Library Support

## ABSTRACT:

This routine calls \$FAOL for the caller, returning the resulting string using the semantics of the caller's string. The length of the resultant string is limited to 256 bytes max and truncation may occur.

ENVIRONMENT: VAX-11 User Mode

AUTHOR: R. Reichert, CREATION DATE: 20-SEPT-1979

## MODIFIED BY:

1-001 - Original. RKR 20-SEPT-1979
1-002 - Change name to LIB\$SYS\_FAO. RKR 15-OCT-79
1-003 - Change logic for status returned. Improve comments.
RKR 20-OCT-79

1-004 - P1 can be a value parameter with value 0, so the NULLPARAMETER builtin doesn't work on it. JBS 28-0CT-1979 1-005 - Improve description of routine. RKR 1-NOV-79 1-006 - Change STR\$ codes to LIB\$ codes. RKR 22-JAN-1980 1-007 - Enhance to recognize additional classes of string descriptors on output by always getting data into internal buffer and

LIB\$SYS_FAO			마이크 보고 그리즘에 나는 그리고 있다면 두 하고 되었다. 그리고 말은 가는 그렇지 때 그는 때 그는 중에서 그는 사람들이 모든 것이다. 그리고 있다.	VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFAO.B32;1	Page 2
58 59 60 61 62 63 64 65 66 67 68 69 70 71	0058 0059 0060 0061 0062 0063 0064 0065 0066 0067 0068 0069 0070	1 1-008 · 1-009 · 1 1 ! <blf pa<="" td=""><td>"read" like fixed string descriptors. RKR 7-DCT-1981 - Redirect jsb's from LIB\$ANALYZE_SDESC_R3 to LIB\$ANALYZE_SDESC_R2. Use LIB\$SCOPY_R_DX6 to do copy: RKR 18-NOV-T981</td><td>bytes This and hat l. ing.</td><td></td></blf>	"read" like fixed string descriptors. RKR 7-DCT-1981 - Redirect jsb's from LIB\$ANALYZE_SDESC_R3 to LIB\$ANALYZE_SDESC_R2. Use LIB\$SCOPY_R_DX6 to do copy: RKR 18-NOV-T981	bytes This and hat l. ing.	

..........

(3)

```
1-009 FAO
                                                                                                                       VAX-11 Bliss-32 V4.0-742
[LIBRTL.SRC]LIBFAO.B32;1
                                                                                                                                                                         Page
                                   No need to check LIB$ANALYZE_SDESC_R2 status. If OUTBUF descr was bad, LIB$SCOPY_R_DX6 would have told us about it.
   IF (NOT NULLPARAMETER(2))
                                      THEN
                                           BEGIN
                                                OUTBUF_LEN,
OUTBUF_ADDR;
                                                                               No. of bytes delivered to caller
                                                                               Address of 1st data byte of callers
                                                                               buffer
                                           IF .OUTBUF [DSC$B_CLASS] GTRU DSC$K_CLASS_D
THEN ! Use generalized length extraction
                                                 BEGIN
                                                 LIBSANALYZE_SDESC_R2 ( .OUTBUF ; OUTBUF_LEN, OUTBUF_ADDR );
                                           ELSE
                                                                 ! Fetch length directly
                                                 OUTBUF_LEN = .OUTBUF [DSC$W_LENGTH] ;
                                           OUTLEN [0] = MIN (.BUFFER_DESC [DSC$W_LENGTH], .OUTBUF_LEN);
                                           END:
                                   At this point we have 2 statuses that we could return to caller. Determine which one is the 'most meaningful'.
                                        If original $FAOL call failed, tell him about that
                                        else give him the copy status.
                                      IF NOT .STR_STATUS THEN RETURN (.STR_STATUS) ;
                                      END:
                                                                            ! end of LIB$SYS_FAO
                                                                                                    .TITLE
                                                                                                               LIB$SYS_FAO
                                                                                                    .EXTRN
.EXTRN
.EXTRN
                                                                                                               LIB$ANALYZE_SDESC_R2
LIB$SCOPY_R_DX6
SYS$FAOL
                                                                                                     .PSECT
                                                                                                               _LIB$CODE,NOWRT, SHR, PIC,2
                                                                                                               LIB$SYS_FAO, Save R2,R3,R4,R5,R6,R7,R8 -260(SP), SP #17694976
                                                                                                                                                                              0406
                                                                                                     .ENTRY
                                                                                                     MOVAB
                                                                        CEFACO4EOCOAE
                                                         010E0100
                                                                                                                                                                              0494
0497
0507
                                                                             DD 91 1 1 9 D 9 F 9 F
                                                                                                    PUSHL
                                                                                                               LOCAL_BUFF, BUFFER_DESC+4
                                                                                                     MOVAB
                                                                                                     CMPB
                                                                                                     BGEQU
                                                                                                               15
                                                                                                               -(SP)
2$
P1, R0
R0
BUFFER_DESC
BUFFER_DESC
                                                                                                     CLRL
                                                                                                    BRB
MOVAB
PUSHL
PUSHAB
                                                     50
                                                                 10
                                                                 04
                                                                                                     PUSHAB
```

LIB\$SYS_FAO	L 9 16-Sep-1984 00:51:03 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:38:47 [LIBRTL.SRC]LIBFAO.B32;1	Page 7 (3)
	00000	0514 0512 0523 0530 0533 0530 0538 0540
	outine Base: _LIB\$CODE + 0000	
278 0554 1 279 0555 1 END 280 0556 1 281 0557 0 ELUDOM	! end of module LIB\$SYS_FAO	
: Name : _LIB\$CODE	PSECT SUMMARY  Bytes Attributes  131 NOVEC, NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC, ALIGN(2)	
File	Library Statistics Symbols Pages Processing Total Loaded Percent Mapped Time	

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